

Fig. 1

SOX3MRPVRENSSGARSPRVPADLARSILISLPFPDDSLAHRFPSSAPTESQGLFTVAAPAPGAPSPATLAHLLPAPAMYSLLETTELKNPVGT 90

SOX1 MYSMMETDLHSPGGAQAFTNLSPAGAGGGGGGGGGGGGKAKANORVWDEMNATAMWSRCORRMAQENRKMNSGSRUCGEWAVMSEAEXRPP 103

SOX2 MY-NMTETELKPPGPQOTS-----CGGGNSTAAAGGNQKNSPRVWDEMNATAMWSRCORRMAQENRKMNSGSRUCGEWAVMSEAEXRPP 93

SOX3 PTQAACTGGPAAPGAGGAGKSSANAAGGANSGGSSGGASGGGG--TDQRRVWDEMNATAMWSRCORRMAQENRKMNSGSRUCGEWAVMSEAEXRPP 191

SOX21MSKPVDEHMKREKINAEYMMWSIAORRMAQENRKMNSGSRUCGEWAVMSEAEXRPP 60

SOX1GCLIAAGAGGGGAAMGVGVGA-APVQORLESFGAAGGAYAHVNGWANGAYPGSVAAAA 200

SOX2GCLLAPG-----GNSMASGVGVGAGLCAVGNQRMDS-----YAHMNGWSNGSY----- 171

SOX3SCLLPPGAAAAAASAAAAASPPV-GVQORLDT-----YTHVNGWANGAY----- 272

SOX21FAFVVPYGLGVADAEPALKAGAGLHAGAGGGLVPESL-LANPEKAAAAAARVFFPQSAAAAAA 162

SOX1 AAAAMMQEALAYQHPGAGGAHPHRTPAHPHPHFAH-PHNPQPMHRYDMGALQYSPISN--SQGYMSASPS-----GYGGLPYGAAAAAQAHAHNSAVAA 295

SOX2 ---SMMQD-QLGYPQHPGL-----NAHGAAQMPHRYVSALQYNSMTS--SQTVMNGSPT-----YSMSYSQQGTPG 234

SOX3 ---SLVQE-QLGYAQPPSMSS-----PPPPPALHRYDMAGLQYSPMPPGAQSYMNVAASAAAAASGYGEMAPSATAAAAAAYGQPPATA 352

SOX21 AAAA-----GSPYSLLILGSKMAEISS--SSGLPYASSL-----GY---PTAGAGAFHGA--AAAAA 214

SOX1 AAAAAAASSGALGALSLVKSEPGSPP---APAHSRAPC-PGDTREMI SMYDEAEGG---DPAAAAAAQAQSRHLHSLPQHYQGA---GAVNGTVPLTHI 387

SOX2 -----MALGSMGSVVKSEASSPPVVTSSSHSRAPCQAGDTRDMISMYDEH-CAEVP---EPAA-----PSRLHMS-QHYQSGVPVPGTAINGTLPLSHM 317

SOX3 AAAAAAAMSLGPMGSMGSVVKSEPPSP---AIASHQRAQ-LGDRDMISMYDEHPEG-----DAADAASPLPGGRHLGVHGHQHYQGA---GTAVNGTVPLTHI 443

SOX21 AAAAA-----GHTHSHPSPGNPGYMIPCNCSAWPSPGLQPPA---YILH--GMKPOLDPYPAAYAAAL 276